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SCIENCE DEPARTMENT
LIBRARY

BACUP MECHANICS' INSTITUTION.

(In union with the Society of Arts, &c.)

OCCASIONAL CIRCULAR.

No. 3.

JANUARY, 1863.

97.EB.0133 OFFICERS FOR 1863.

President:

LAWRENCE HENRY WORTH, Esq.,
Manchester Street

Vice Presidents:

SAM: HALL, Esq. | HENRY MADEN, Esq.
J. H. WORRALL, Esq., M.R.C.S.

Treasurer:

MR. G. H. ROBINSON.

Hon. Secretaries:

MR. T. NEWBIGGING. | MR. JOHN BOLTON.

Directors:

MR. JAMES GREAVES.
— JOHN HARRIS.
— HENRY SMITHARD.
— BUCKLEY CLARKSON.
— GEORGE MOORHOUSE.
— JOHN SHEPHERD.

MR. THOMAS PRIESTLEY.
— RICHARD KAY.
— ARTHUR PICKUP.
— R. I. HARRIS.
— WILLIAM AKED.
— T. BARROWCLOUGH.

Auditors:

MR. RICHARD KAY. | MR. JOHN HOLT.

Librarian:

MR. JOHN COOPER.

REPORT OF THE DIRECTORS

Presented at the Twenty-fourth Annual Soiree, Friday, January 2nd, 1863.

THE season when the Directors of the BACUP MECHANICS' INSTITUTION are expected to render an account of their stewardship has again come round. It is with feelings of mingled pleasure and regret that the Directors present this their twenty-fourth Annual Report: with pleasure, when they perceive that the Institution receives that measure of support and encouragement from the Public which enables it to

maintain and even extend its character for usefulness; with regret, when it is remembered that the wide-spread depression which prevails in consequence of the Cotton Famine stepping in at the moment when the successful financial position of the Institution, and the steadily increasing number of its subscribers, would have enabled the Directors to continue those improvements in the various departments which they have long and anxiously laboured to accomplish. The circumstances, however, which at present press somewhat heavily upon the funds, are altogether of an unusual character, and such as the ablest management could not have averted. While, therefore, they anxiously strive to pilot the Institution safely through the present crisis, your Directors await with confidence the return of more prosperous days.

It will be seen by the Treasurer's statement that the Expenditure exceeds the Income by the sum of £29 10s. 5d.; in plain words, the Institution has accumulated a debt to that amount. This arises partly from a falling off in the Receipts of the School, owing to the inability of many of the Scholars to pay the usual fees; but principally to a great falling off in the amount received for the use of the Hall.

Such is the shady side of the picture: the bright side remains to be shown. When the financial position of the Institution became known, several gentlemen, with a liberality which is deserving of commendation, voluntarily commenced a subscription for the purpose of liquidating the debt. This example was followed by others, and the result is, a sum of £15 5s. 0d. has been raised, leaving only £14 5s. 5d. to be defrayed.* The following are the donations referred to—

	£	s.	d.
Henry Maden, Esq.... ..	5	0	0
Sam. Hall, Esq.	3	3	0
E. M. Wright, Esq.	1	1	0
George Stewart, Esq.	1	0	0
The Directors of the Institution	3	19	0
Other Subscriptions	1	2	0

Total, £15 5 0

Notwithstanding the great depression which exists, it is matter for congratulation that the Members' Subscriptions are in excess of any previous year; a result which proves the high esteem in which the Institution is held, and the anxiety of the members to give it their countenance and support through these trying times.

WEDNESDAY EVENING LECTURES.

A Course of Wednesday Evening Lectures and Entertainments was inaugurated in October last, with the view of creating a wider interest in the Institution and its affairs, and to provide a source of instruction and amusement during the long nights of winter. The Lectures, without exception, have hitherto been well attended, and, on the whole, have given satisfaction. The series will extend to the last Wednesday in March next, and Members of the Institution have free admission to the entire course. The following is a list of the Lectures, &c., in the order of delivery: W. P. ROBERTS, Esq., of Manchester; "Jerusalem and the Holy Land," two

* The following additional subscriptions have since been received, Lawrence Heyworth, Esq., £5., James Ashworth, Esq., (Acre Mill), £1., reducing the debt to £8. 5s. 5d.

lectures, illustrated by views, flowers, plants, &c. Rev. GEORGE HOADE, of Hindley; "An Evening with some of our English Poets." Rev. THOS. LAWSON, of Bacup; "The Crusades;" Music by the Tonic Sol-Fa Class. Mr. THOMAS NEWBIGGING, of Bacup; "The Chemistry of Water," illustrated by experiments. DAVID MORRIS, Esq., of Manchester; "Lancashire Poets and Poetry," musical illustrations. J. M. WHITEHEAD, Esq., and COMPANY, of Bury; "Two Hours of Music, Mirth, and Magic." Mr. D. W. GREENHALGH, of Stubbins; "The Air we Breathe," illustrated by experiments. ROBERT CROSSLAND, Esq., of Bury; "Lord Brougham, the Orator and Statesman." Rev. THOS. LAWSON, of Bacup; "Books and how to read them." The following remain to be delivered:—Rev. J. S. WITHINGTON, of Rawtenstall; "A Trio of Great Men of our Nation:—Cromwell and Government, Newton and Philosophy, Milton and Poetry." Mr. H. P. MEADEN, of Haslingden; "Combustion and some of its Phenomena," illustrated by experiments. DAVID THOMAS, Esq., of Bury; "America, Past and Present." B. LEE, Esq., member of the Manchester Shaksperian Society; "Readings and Recitals from the Poets." Rev. H. C. ANSON, of Cloughfold; "The Brain and Nervous System," illustrated by drawings and casts. Mr. A. STANSFIELD, of Todmorden; "Electricity," illustrated by experiments. T. T. WILKINSON, Esq., F.R.A.S., &c., of Burnley; "The Popular Customs and Superstitions of Lancashire." WILLIAM MITCHELL, Esq., of Waterfoot; "Athletic Sports." THOMAS BALDWIN, Esq., C.E., of Bury; "The Steam Engine." ADAM FLETCHER, Esq., M.D., of Bury; "The Marvels of the Invisible, or an Evening with the Microscope," illustrated by Microscopic Specimens. JOSEPH CHATTWOOD, Esq., of Bury; "Readings from an Old Manuscript," illustrated by Geological Specimens.

To the various gentlemen who have so generously placed their time and services at the disposal of the Committee, and also to the musical friends in the neighbourhood who have assisted at several of the meetings, the sincere thanks of the Directors are due, and are most gratefully accorded.

LIBRARY.

The Directors regret that the state of the funds has prevented them from making any very important additions to the Library. This department of the Institution, however, receives their anxious attention, and one of the first fruits of a return of better days will be the addition of many more valuable and interesting works. Since last Report 38 volumes have been added, comprising:—Lives of Lord Bacon and Thomas Campbell; Conduct of Life; Leslie's Autobiography; Physiology of Common Life; Sea Side Studies; Lives of British Artists; Mackay's America; Popular Highland Tales; Woman in White; Dead Secret; Queen of Hearts; Silas Marner; Wild Huntress; Oceola; Wood Rangers; Minister's Wooing; One of Them; Davenport Dunn; O'Donoghue; The Virginians; Against Wind and Tide; Antonina; Borrow's Lavengro and Sleeping Bard, &c., &c.

The issue and re-issue of Books during the twelve months is as follows:—First quarter, 2115; second quarter, 1863; third quarter, 1175; fourth quarter, 1546; Total, 6699; being an increase of 25 per cent. on last year's circulation.

NEWS ROOM.

The News Room was enlarged and otherwise improved at the beginning of the year, and continues to be well attended. The Directors beg to acknowledge with thanks the receipt, gratis, of Books, Newspapers, and Magazines from Lawrence

Heyworth, Esq., Dr. Worrall, Sam. Hall, Esq., Mr. John Hargreaves, Junr., Mr. Miles Ashworth, of Acre Mill, Mr. William Smith, the Cotton Supply Association, and the Publishers of the *Canadian News*. Such contributions are always acceptable, and are gladly received.

EVENING CLASSES.

The average attendance at the Evening Classes, male and female, during the past year is lower than the attendance for 1861; this result the Directors have reason to believe, is entirely owing to the inability of many of the pupils to continue their subscriptions.

EXAMINATIONS.

At the Examinations which have taken place during the year in connexion with the Society of Arts, and East Lancashire Union of Institutions, the Members of the ~~Bacup Mechanics' Institution~~ have achieved a fair share of success, especially when it is recollected that this is their first essay in the one, and ~~only their second~~ in the other. Much, however, still remains to be accomplished by them in these annual contests with kindred Institutions, and the Directors desire to witness no abatement of earnest purpose and endeavour, but that each Candidate will be ambitious to attain to an honourable distinction in his own particular branch of study.

In the Society of Arts, Five Certificates, and in the East Lancashire Union, Six Money Prizes and a number of Certificates were obtained; the subjects being Arithmetic, Bookkeeping, Mathematics, Geography, English History, and Domestic Economy.

The following are the names of the Successful Candidates:—Society of Arts—William Lord, James Pilling, and Robert Stewart, Broadclough. East Lancashire Union of Institutions—Elizabeth E. Pilling, 7s. 6d.; William Lord, 3s.; John Lord, Junr., Certificate of Competency; James H. Smith, 10s.; James Pilling, 7s. 6d.; J. L. Wolfenden, 6s.; James Morton, 4s.; John Cropper, Certificate of Competency; Henry Hargreaves, ditto; H. Schofield, ditto; and John Lord, Senr., ditto.

At the Local Examinations in March last, Prizes to the value of £7 were awarded to the Successful Candidates. The following special Prizes, annually given by the gentlemen named, are open for competition in the Classes:—Sam. Hall, Esq., for General Proficiency, £1 1s.; Henry Maden, Esq., Grammar and Composition, First Prize, £1 1s.; Second Prize, 10s. 6d.; Dr. Worrall, Writing, £1; J. H. Sykes, Esq., £1 1s.

The importance of these often recurring Examinations can scarcely be over-estimated. The mental training to which the Candidates are subjected, being of the utmost value, in an auxiliary sense, in forming their character, and, in many cases, deciding their future position in life. One of the young men, John Lord, a careful student in the classes, recently competed for, and obtained a situation in, the Civil Service; and, while duly estimating his own diligence and perseverance, his success in a great measure is to be attributed to the training he had undergone in the various examinations connected with the Institution.

During the year various improvements have been effected in the Day School, which have materially added to the comfort of the Scholars. The attendance at present is large, and care is taken to provide such instruction as shall be useful to the pupils in future years.

BACUP MECHANICS' INSTITUTION.

CASH ACCOUNT FOR THE YEAR ENDING NOVEMBER 30th, 1862.

	£.	s.	d.
To Cash on hand	12	18	11½
Members' Subscriptions	103	4	1
Day School Fees	78	2	4
Hire of Rooms	53	12	5
Profits of Annual Soiree	13	7	3½
" Howard Paul's Entertainment	2	10	6
" Christmas Coffee Party	7	6	1½
Capitation Grant	27	15	0
Subscriptions, Sam. Hall, Esq.,	1	1	0
Balance due to Treasurer	29	10	5

£329 8 1½

	£.	s.	d.
By Library
" Periodicals
" Newspapers
" Advertising, Printing, and Stationery
" Salaries
" Warming and Lighting
" Repairs
" Rates and Taxes
" Annual Examination Prizes...
" Children's Christmas Treat
" Loss on "Nonsense" Entertainment
" Loss on Coffee Party (April)
" Miscellaneous Expenses...
" Royal Exchange Assurance
" Donations and Subscriptions:—
Society of Arts, London
Lancashire & Cheshire Asso. of Institutes
East Lancashire Union of do., (1861-2)
Bacup Choral Union

£329 8 1½

Examined and found correct,
 RICHARD KAY, } AUDITORS.
 JOHN HOLT, }

GEO. H. ROBINSON, TREASURER.
 T. NEWBIGGING, } HON. SECS.
 JOHN BOLTON, }

LECTURES, &c., 1863.

The Lectures, &c., to commence at Eight. Doors open at half-past Seven.

ADMISSION:—MEMBERS of the INSTITUTION free to the entire course, to any part of the Hall except the Reserved Seats, on showing their Card. A Complimentary Ticket is also presented to each Member, securing free admission to any friend.

NON-MEMBERS.—Twopence each. Reserved Seats for the Course, 1s. 6d. each. Single Ticket, Sixpence. May be obtained of Mr. HARRIS, Printer, Bridge-End, Bacup.

Wednesday, January 21st, 1863,

MR. H. P. MEADEN,

OF HASLINGDEN,

"COMBUSTION AND SOME OF ITS PHENOMENA,"

Illustrated by numerous Experiments.

Wednesday, January 28th, 1863,

DAVID THOMAS, ESQ.,

OF BURY,

"AMERICA, PAST AND PRESENT."

Wednesday, February 4th, 1863,

B. LEE, ESQ.,

MEMBER OF THE MANCHESTER SHAKSPERIAN SOCIETY,

"READINGS AND RECITALS FROM THE POETS."

Wednesday, February 11th, 1863,

REV. H. C. ANSON,

OF CLOUGHFOLD,

"THE BRAIN AND NERVOUS SYSTEM."

Illustrated by numerous Drawings and Casts.

Wednesday, February 18th, 1863,

MR. A. STANSFIELD,

OF TODMORDEN,

"ELECTRICITY."

Illustrated by numerous Experiments.

Wednesday, February 25th, 1863,

T. T. WILKINSON, ESQ., F.R.A.S., &C.,

OF BURNLEY,

**"THE POPULAR CUSTOMS AND SUPERSTITIONS OF
LANCASHIRE."**

Wednesday, March 4th, 1863,

WILLIAM MITCHELL, ESQ.,

OF WATERFOOT,

"ATHLETIC SPORTS."

Wednesday, March 11th, 1863,

THOMAS BALDWIN, ESQ., C.E.,

OF BURY,

"THE STEAM ENGINE,"—Heat, what is it? Steam, its nature
and action. The Steam Engine, its effects on the social condition
of man.

Wednesday, March 18th, 1863,

A. FLETCHER, ESQ., M.D.,

OF BURY,

**"THE MARVELS OF THE INVISIBLE; or an Evening
with the Microscope,"**

Illustrated by Microscopic Specimens.

Wednesday, March 25th, 1863,

JOSEPH CHATTWOOD, ESQ.,

OF BURY,

"READINGS FROM AN OLD MANUSCRIPT."

Illustrated by Geological Specimens.

THE CHEMISTRY CLASS.

The Course of Lessons in the Chemistry Class conducted by Mr. MEADEN, are being reviewed from the commencement alternately with the lessons for more advanced students. By this means new Members may join with profit, and the old Members review and still advance.

THE LOCAL EXAMINATION

Will be held in March next, when Prizes will be awarded to the successful Candidates.

The South Kensington, Society of Arts, and East Lancashire Union Examinations take place in May, and the instruction imparted in the Classes is calculated to prepare the Students for competition in each.

THE FEMALE CLASSES

Meet two nights in each week, and the pupils are entitled to compete in any or all of the Examinations.

Subscriptions: Males 2s., Females 1s. 6d. per quarter. Tickets may be obtained of Mr. HARRIS, Printer, Bridge-end, Bacup.

Society of Arts Local Board and Science Committee for Bacup.

THOMAS AITKEN, CHAIRMAN.

JOHN HOWORTH, J.P.,
CAPTAIN AITKEN, J.P.,
HENRY MADEN,
J. H. WORRALL, M.R.C.S.,

SAM. HALL,
G. C. HARRISON,
JOHN HARRIS,
JAMES GREAVES.

T. NEWBIGGING, HON. SEC.

By order of the Directors,

T. NEWBIGGING, }
JOHN BOLTON, } HON. SECS.

R. I. HARRIS, Printer, Bridge-End, Bacup.

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